Long-distance bicycle trips in combination with public transport

Good Companions: Combining cycling with public transport
Velo-City in Dublin 2019

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Capital Region of Denmark
Longest 14.7 km
Shortest 8.4 km

Average Trip Length

11 km
12 km
15 km

*Average length of commute for persons in employment in the Capital Region
Long-distance commuting by bike
“When you’ve passed 40, you have to do something to keep yourself in shape, and then it is really practical and time-efficient, when you live a suburban life with children.

I don’t know when I would have the time to work out on a weekday night, but I can spend an hour working out on my way to and from work. It’s approximately the same amount of time as taking the bus and train or being stuck on the highway.”

- Carsten
The potential
(Eriksen et al., 2018, AAU, Bike-train commuting for a sustainable transition)
Two different travel patterns

53%
cycles less than 5 km a day

8%
cycles more than 15 km

(Eriksen et al., 2018, AAU, Bike-train commuting for a sustainable transition)
Two commuter types
(<< 7.5 km)
The solutions
2 cases
Bringing the bicycle on bus Combination integrated in travelplanner

Bicycle parking at work
Bicycle parking by busstop
Bicycle parking by train station
Ticket system for combining

Storage at work
Storage on station
Shower by station
Shower at work
Bicycle escalator at train station
- Bringing the bicycle on bus
- Combination integrated in travelplanner
- Shower by station
- Shower at work
- Ticket system for combining
- Bicycle escalator at train station
- Storage on station
- Storage at work
- Bicycle parking by bus stop
- Bicycle parking at work
- Bicycle parking by train station
- Nothing
The digital solution: The travelplanner
The physical solution: **Bicycle escalator on hub station**
The physical solution:
Bicycle escalator on hub station

Up: Conveyor belt
Down: Brush belt
Bicycle escalator on hub station

330 passangers with a bicycle in morning rush hour

• Conveyor belt used more, lift used less
• The heavier the bike, the more the conveyor is used
• Overall time saving
THANK YOU!

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